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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Henderson et al.

Serial No.: 09/519,271

Group Art Unit: 1631

Filed: March 7, 2000

Examiner: J. Fredman

Title: A Method For Solid State Genome Analysis

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AMENDMENT AND RESPONSE

Assistant Commissioner for Patents
Washington, D.C. 20231

I hereby certify that this document is being sent via
First Class U. S. mail addressed to: Assistant
Commissioner for Patents, Washington, D.C. 20231 on
this 9 day of August, 2001

Dear Sir:

Frances Essien
Frances Essien

The following amendments and remarks are submitted in response to the Office Action
mailed on May 9, 2001.

IN THE CLAIMS

Please amend the claims as follows:

1. (Amended) A method for analyzing a nucleic acid sample, the method comprising
 - (a) tagging two or more sequence specific sites of the nucleic acid;
 - (b) scanning the nucleic acid sample; and
 - (c) analyzing the scan of the nucleic acid sample to determine the relative positions of the tagged sequence specific sites of the nucleic acid.
5. (Amended) The method of claim 2 wherein said scanning step further comprises utilizing a near field optical microscope.

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